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 <213> Aspergillus nidulans

<400> 10218  
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<210> 10219  
<211> 2462  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 10219

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gc 2462

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<211> 557  
<212> DNA  
<213> Aspergillus nidulans

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<212> DNA  
<213> Aspergillus nidulans  
<223> unsure at all n locations  
<400> 10221

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<210> 10222  
<211> 1229  
<212> DNA  
<213> Aspergillus nidulans

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tatagacttc tttcaaaaag ttatccaagt tctccacatt cgcccacatc cacattgctt 180  
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<210> 10223  
 <211> 1461  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 10223

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 gatgttgctg tcggttctac agaaggatga tcgtcgctca tggcatatgg tgaattgtac 180  
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gcgcgacggg gcagggtggt catatctgaa ataggcgtag gcggacgaac gggttcttcg 300  
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<210> 10224  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 10224

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cggcacacaa tgcattgtctg cagtagacta tgcagagtgg gaaattccag tgggaatttg 180  
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<210> 10225  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 10225

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 acttaaacag acgacgtctt cgagaacgcc tattccatgg caggggttct tgaggaagcc 240



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<212> DNA  
<213> Aspergillus nidulans

<400> 10226

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aaaatctcga gaaaacgaat tgcgagagag ttgacacgtc ctcccgtct gacaacgcgt 180

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 ctgtcatctc cttcccaaaa cgacaccagg acccttaaag acgctatcag acgacatact 720  
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<210> 10227  
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 <212> DNA  
 <213> *Aspergillus nidulans*

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 cctagaaagt ctgggggggac ggtgtgaacg gatgggtca cgtcagacaa agtaaaactg 600  
 cctctgtttg acgctggata ttgctgggga ggagggtgc cactgctgct gcggagactg 660  
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<210> 10228  
 <211> 373  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 10228

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<210> 10229  
 <211> 1361  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 10229

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 aaacatattc tttgaggctg cattcacggc ttcaggctgg tattcgcta ccaggccggg 420  
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<212> DNA  
<213> Aspergillus nidulans

<400> 10230

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<210> 10231  
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<212> DNA  
<213> Aspergillus nidulans

<400> 10231

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<210> 10232  
 <211> 767  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 10232

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cgcatctct ggtgacagtc gcaatgctat ttaactgtgc cagaccagg gccacaagta 180
tccaccatca gctccgatat tcacgcagtc ttttctcgag attcaacagt ggtagtccta 240
aactggtcga caccgttaaa atgagcacc ctgacatcac cctatacacc gataacactc 300
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tgccgataa atatgacgca gagggcaagg tcagctataa gcctggaacg cctgagtatt 600
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cacgccgacg agccgtacct ccactgatg attataatac cattactgac gggaacctgc 720
taggcgcgn cctctncttc tcaacctttg ccccgccgg ttcgact 767
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<210> 10233  
 <211> 116  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 10233

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cngtcacccc agatgactat gacgaccata gaacgtgcga acaaatgctc agggcc 116
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<210> 10234  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 10234

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cgtgaatgcg tcatctaaaa atacgaaact gttgctgact gtcttagggc gcgcctatcg 240  
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attagtacct aattatttat tcaactccac ctcatttaca tccggtcacg tcgacgagga 660  
gcggcgcgga taatgttgct cacacggagg agaagctatt agacggttag tcggggactt 720  
aaatgagcgt gaaatattat cttacctcag ctgcttccga agcagacgac acaacagcct 780  
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<210> 10235  
<211> 1217  
<212> DNA  
<213> Aspergillus nidulans

<400> 10235

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tccaaagaaa aggttcccaa gcccgccaag ccacaaagca gacatgaccg ccttgcgcg 180  
gagccgaaca tgttccgaag aaggtgcttc gacaatgttg cctaatacaa ggaattggtc 240  
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<210> 10238  
 <211> 478  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 10238

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 ggagtagatg tcattgagaa tgggatgggtg agttgttatt atcaggtgca gaatccggaa 240  
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 atgaataatt gacatgctct aactcagtac gttatgtgcc tccaatccta gcttcgtctc 420  
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<210> 10239  
 <211> 824  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 10239

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 agggcgggcg acttgctggc ctgggtggg ggagtgcgtg tgcattgggt cttcgtgaga 540  
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 ttaatacgtt tgcttctct gtgctgtgtt tattttgagg ccattctcaa gtgtgatgat 780  
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<210> 10240  
 <211> 596  
 <212> DNA  
 <213> Aspergillus nidulans

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 aaaaaactac ttcgaaggtc aaaagtacgc atccgtgcag agtcgtcatc cctatcgtca 360  
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<210> 10241  
 <211> 242  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 10241

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<210> 10242  
 <211> 1786  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 10242

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<210> 10243  
 <211> 1893  
 <212> DNA  
 <213> *Aspergillus nidulans*

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 gtgttgagaa cctatttaaa agctttcctc cccatttgt ccatggcttc gtcattgaca 1560  
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<210> 10244  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 10244

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<210> 10245  
 <211> 832  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 10245

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accagaggcg ccgccacggt tagctggtgg ctggaacgtg attccgcttg gcttagtagt 240  
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<210> 10246  
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<212> DNA  
<213> Aspergillus nidulans

<400> 10246

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<210> 10247  
<211> 1080  
<212> DNA  
<213> Aspergillus nidulans

<400> 10247

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 10248

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<213> Aspergillus nidulans  
  
<400> 10249

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<212> DNA  
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<400> 10251

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 <213> Aspergillus nidulans

<400> 10252

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<400> 10253

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 <213> *Aspergillus nidulans*

<400> 10254

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 <213> *Aspergillus nidulans*  
 <400> 10255

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 <213> *Aspergillus nidulans*

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<400> 10258

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<212> DNA  
<213> Aspergillus nidulans

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<210> 10260  
<211> 2270  
<212> DNA  
<213> Aspergillus nidulans

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<213> Aspergillus nidulans  
  
<400> 10272

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 <213> *Aspergillus nidulans*

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 <213> Aspergillus nidulans  
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 <213> Aspergillus nidulans  
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<213> Aspergillus nidulans

<400> 10278

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 10279

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<210> 10280  
 <211> 619





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<211> 1800  
<212> DNA  
<213> *Aspergillus nidulans*  
<400> 10283

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<212> DNA  
<213> Aspergillus nidulans

<400> 10284

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<213> Aspergillus nidulans

<400> 10285

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<210> 10286  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 10286

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 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 10287

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<212> DNA  
<213> Aspergillus nidulans

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<210> 10292  
 <211> 1563  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 10292

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 10293

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 10294

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 <212> DNA  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 10296

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 <212> DNA  
 <213> *Aspergillus nidulans*

<223> unsure at all n locations  
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<400> 10301

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 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 10304

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 <211> 300  
 <212> DNA  
 <213> Aspergillus nidulans  
  
 <223> unsure at all n locations  
 <400> 10305

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 catacaatcg cgatactagn tacgaagncg gaggatactn ttagcccaag ttactncatc 240  
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 <211> 504  
 <212> DNA  
 <213> Aspergillus nidulans  
  
 <400> 10306

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<210> 10307  
<211> 1999  
<212> DNA  
<213> Aspergillus nidulans

<400> 10307

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 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 10308

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 ggagat 126

<210> 10309  
 <211> 101  
 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 10309

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101

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<213> *Aspergillus nidulans*  
  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 10311

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 <213> Aspergillus nidulans

<400> 10312

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<210> 10313  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 10313

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<400> 10314

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<212> DNA  
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<400> 10316

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<400> 10317

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<400> 10319

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<400> 10322

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<210> 10326  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 10326

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<210> 10327  
 <211> 106  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 10327

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<210> 10328  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 10328

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 gatgaggaga agcggagaca cgcgaggggg atgaggcgtg taggaagcgt tctcgttgtc 180  
 cccctcgtaa ctggccttga gatgagcatg gtgtacgttc ctcgcaattg gtctttttta 240  
 caggtttgcc ttaattatgg ctttgagttg cttggatgta ttaaagagct atcttgagat 300  
 tgtggggaga tagctcaaga tgccctcggt gctaattccg agaccgagat atagcataca 360  
 gccgtttccc gagaaagcct ttatacttcc ccacgcttcg atcctacatt gcgaaaactg 420  
 ataaagaccg ttgataggca gagcgaaatt gtatatcaag acggcaagat atgtctaata 480  
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 cattcctctg gccc aaacgg gaggtacgtg tcgcctgaa gccagtacag cttgtctcta 600  
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<210> 10329  
<211> 1026  
<212> DNA  
<213> Aspergillus nidulans  
<400> 10329

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gtcaagtcgc ccacttcagg tcgtagtcta cttacctatt ttttcagtaa tatcttgtgc 180  
accagagcag cctggactat accccacgcc catagttgat aaagttctaa ccatgacggc 240  
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ccaagacgaa gaggccacga accccgataa cttcaactat gtacgtattc gatgaaggta 360  
ccgttctcaa aatcatgggg aaagttaaac taacatatat attctcattt ccattgatca 420  
ggcatcttct aacttcggtc tcatcaatcg ccgctacccc tccgactctg actctagctc 480  
ttcagatgca gagccagaga cacaatggcc ccgcctcgca acctacataa catatttaaa 540

cgctaccgca tcacaaggaa ccgctctacaa actccttttc ttgggtcggc acggacaggg 600  
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 gtgtagtgcc gttactccct tctgaagggc gacgagcacg gagactgggt cgacgcgcac 780  
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 aaaaatggga ttccagcgcc acagtcgtac tacgttagtc cgttgatgag gtgctgcgag 900  
 acggcaaagg tcacatttga aggtgtggga ctaccgggta cggagactgg caactttagg 960  
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 gagata 1026

<210> 10330  
 <211> 830  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 10330  
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 attgaatctg gcccgcgcga cagcaatcgt gaccggctcc gcacgcggaa tgtacgccag 180  
 gcctgcccc a tatggggctc ccatacctca ctcagcatca ccatgggact aacacgaatt 240  
 cacagaggca aggcaatcgc ctcccagactt gccgcgatg gctactccgt ctgctgtaac 300  
 gatataccca gctcccaggc ggcaatcgag gcaactgtct ctgaaatcaa atcacatcc 360  
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 gccacaagcc gtttccaaca atggggatct actcagccag caagtgggag gtgctggtggc 720  
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<210> 10331  
 <211> 182  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 10331

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 gc 182

<210> 10332  
 <211> 1499  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 10332

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 ggaacgcctg tgtagtccag ggcccatggg gcttcctcag gggtaaagag cccgcccagg 180  
 gcccaaggcc ggctccgccc ccacaggcta caggacccaa ggagaaaagc ctccctagtc 240  
 ccagaaaaag ctaaaaggct aagaacgcag ctgcgggtcc aagggtctgc tcagcgcattc 300  
 agaagcaagc aggggtgctaa gggttctgct cccaaggctc ctgccaagtc tcgttaagaa 360  
 atgaataacg gttcggcttg ggattgggtg cggaaggcaa gagtttcatg gacgaatttt 420  
 gggagggttac tggagctgga atatgtgttt tccctaccac caaaaatgaa atgttccaaa 480  
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 taattgatat gcctgggctt gagactccgt agacgcccag tcaatgtgca attaatacga 720  
 ggggtgctgtt atcggcagca accttgact tctccataag atgggggaat gccatggacc 780  
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<210> 10333  
 <211> 517  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 10333

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 taaccggaac tacactgatt acaccagctg acaaaccgat gacataactaa gtggagctag 180  
 tgctgaact cagacaagct tgccaagact acgaacgaaa gatgaaaact atctgcctaa 240  
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 aaggataagc atgactgcat taaggatggg accaccacc acagtgatat tgacaggggac 360  
 tgaatcctac agcaccacac taaggtcgat cgccgcggct atgttagcac tgaccatgaa 420  
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<210> 10334  
 <211> 596  
 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations

<400> 10334

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cccatccac atataatgta aatattcccc ccctattcga tctgtgcaaa ttcaatcctt 180

ctttttaaaa cgcattgcat tcaatcttcc ttactacaat accaatccgt atggattccg 240

gccgcactca aacacaatct gcaaaatatt gactgaattt gccattatct tgaccaccat 300

tcccatcata attcaaattc ttatatcctt ctctgctctc cttaaacaca tgtacaaaaa 360

ccaattcatt cctcatccag agatcatcca ttcggccacc ccttaaataa gccacctcaa 420

tttattctcc ccgctaatta ttgaaaagca atgggtctttc tacctattcc ctcatagaaa 480

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aaccctactc caaacttaaa tattatctaa tatcttcaac aactccataa acctcc 596

<210> 10335  
 <211> 1778  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 10335

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tccacggccc accccaaccc caaatagcat ccaaatatag gtccaggacc caactgtcaa 180

tgaatcaagt tctagtcatt gaaagccctg tgcagctcag atgtcgcaat caccaagtga 240

tcgaatcctg actcgcgtgg tcccgcccc aagggtcaat tctttgcctt catatgcaac 300

atgtgggaac cttgaggcat agcaagtatc ctttcaccac tctcgcgct acctactaaa 360

actcggcgat ttggatacca ggtccgaata gcagtactgc gtttcggaat tcaatttcgg 420

gatttccgac aactccagca aatatactcc gtatggagag tcgatcta atcgacttgc 480

aatcccgttc tgtaactgtt gagcctgaac caagtcaga atcaggatca ccaaggtaca 540

tcggcgaagg atcctttatt gaactacatg ttgcgctggt cttggtttca ttccaggctc 600

atatcttact tcagccgccc accgcaacaa atagacggca tgtttccctc ccatgttgac 660

gcacaactcc atatcagagc ttcagatcaa aagcatttgc gtcgaatgct cataggtcat 720

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<210> 10336  
 <211> 1106  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 10336

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 catctcaa at gtcaccccaa ttccatgtgc agcccctatt tctcatcacc gattgttcct 240  
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catcgccgt gctagtgatt gttggttggt tcgcagcttg gctttctttg attccttaca 360  
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<210> 10337  
<211> 927  
<212> DNA  
<213> Aspergillus nidulans  
<400> 10337

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<210> 10338  
 <211> 207  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <223> unsure at all n locations  
 <400> 10338

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 <213> *Aspergillus nidulans*  
 <400> 10339

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 <213> Aspergillus nidulans

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 <400> 10353

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 <213> Aspergillus nidulans

<400> 10356

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<400> 10357

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<400> 10358

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 <213> *Aspergillus nidulans*

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<210> 10362  
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 <212> DNA  
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<213> Aspergillus nidulans

<400> 10364

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<213> Aspergillus nidulans

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<210> 10366

<211> 941

<212> DNA

<213> Aspergillus nidulans

<400> 10366

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<210> 10367

<211> 123

<212> DNA

<213> Aspergillus nidulans

<400> 10367

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<210> 10368

<211> 317

<212> DNA

<213> Aspergillus nidulans

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<210> 10369

<211> 199

<212> DNA

<213> Aspergillus nidulans

<400> 10369

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<210> 10370

<211> 2038

<212> DNA

<213> Aspergillus nidulans

<400> 10370

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<400> 10371

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<213> *Aspergillus nidulans*

<400> 10372

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<213> *Aspergillus nidulans*

<400> 10373

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 <212> DNA  
 <213> Aspergillus nidulans  
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 <213> *Aspergillus nidulans*  
  
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<400> 10377

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 <213> Aspergillus nidulans

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10384

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<210> 10386  
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<212> DNA  
<213> Aspergillus nidulans

<400> 10386

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<210> 10387  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 10387

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 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 10388

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<210> 10389  
<211> 1300  
<212> DNA  
<213> Aspergillus nidulans

<400> 10389

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<210> 10390  
<211> 163  
<212> DNA  
<213> Aspergillus nidulans

<400> 10390

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gcaatcgctg agttcatgca tctcggagag cgcgtaaccc tcc 163

<210> 10391

<211> 936  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 10391

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agaaaccaca tatatgtggg tcggtcgacc caaattccag cctagcctgc tggctgctga   360
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tccaaactct gattttcctg cacggctagt tggtggttc ggttggctgc ggtgggctga   660
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<210> 10392  
 <211> 377  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 10392

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nnnnnnnnnn nnnnnnnnnn nccccctttt tggggggggg ctcttgcttt gttacttggg   180
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ggcgttgttg ttgttgt 377

<210> 10393  
<211> 1264  
<212> DNA  
<213> Aspergillus nidulans

<400> 10393

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<212> DNA  
<213> Aspergillus nidulans  
  
<223> unsure at all n locations  
<400> 10394

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ttt 123

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<211> 977  
<212> DNA  
<213> Aspergillus nidulans  
  
<400> 10395

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<212> DNA  
<213> Aspergillus nidulans

<400> 10396

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<211> 507  
<212> DNA  
<213> Aspergillus nidulans

<400> 10397

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<210> 10398  
 <211> 453  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 10398

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<210> 10400

<211> 1436  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 10400

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<400> 10401

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<210> 10402  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 10402

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<213> Aspergillus nidulans

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<213> Aspergillus nidulans

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<213> Aspergillus nidulans

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<400> 10419

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<210> .10446  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 10446

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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 10447

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<210> 10448  
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 <213> *Aspergillus nidulans*

<400>

10448

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 10449

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<210> 10450  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 10450

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<212> DNA  
<213> *Aspergillus nidulans*  
  
<400> 10451

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 <212> DNA  
 <213> Aspergillus nidulans

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 <213> *Aspergillus nidulans*  
  
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 <212> DNA  
 <213> Aspergillus nidulans

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acgatacaat ttgcgctgaa attacctgcc acggatctat attggggtgt cccagcgcct 420  
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<210> 10456  
<211> 127  
<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
<400> 10456

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<210> 10457  
<211> 229  
<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
<400> 10457

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gnagctctaa acgggcgcct aaatacaatg tacacgcaa caatggcagc caaatgatag 180  
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<210> 10458  
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<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
<400> 10458

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 <223> unsure at all n locations  
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 <213> Aspergillus nidulans  
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 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
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<213> Aspergillus nidulans

<223> unsure at all n locations

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1772

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<213> Aspergillus nidulans

<400> 10470

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cgccagccct gggcactaag c 141

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<213> Aspergillus nidulans

<400> 10471

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<213> Aspergillus nidulans

<400> 10472

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cataacaatt attatccct caacaacttt tttctagaca ctaaacctca actgatcaat 240

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383

<210> 10473  
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<212> DNA  
<213> Aspergillus nidulans

<400> 10473

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<212> DNA  
<213> Aspergillus nidulans

<400> 10474

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gtaatgtcgt aattgtacct ctccgatat actcg 155

<210> 10475  
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<212> DNA  
<213> Aspergillus nidulans

<400> 10475

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tgctatgttt gtatcatcat cgttttcgtc gtcgtcgtca ttatcaagcc catcctcagc 240  
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 <212> DNA  
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 <400> 10476

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 tttgacggaa aaatcaaccc gcaagattcg gttggaatca gtctgtacaa gcgtgtgttc 240  
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 gcctactgct ttatattggt tcttggggta gtttgttgat gatggtgagg caaagaagag 360  
 gaataatatg ataccataaa gtggactgca tgatatgacg aacttcctga cttcagttac 420  
 ttgggaatat tctctaaaaa gtcatttggg ctatataaat agatgtcgtt gaacggcgaa 480  
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<210> 10477  
 <211> 1439  
 <212> DNA  
 <213> Aspergillus nidulans



<400> 10477

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cgttcatcga aacagtgtc tttctcttgg aggacttggg tgtccaacga atccaggagg 240  
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gggccacgct cagccgcaaa actaacgata tattgatcaa cgttcgtgac accggccccg 1380  
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<210> 10478

<211> 139

<212> DNA  
 <213> Aspergillus nidulans

<400> 10478

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 ctgtgagaac atcatagag 139

<210> 10479  
 <211> 110  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 10479

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 cgtcttgcca tacatgcggt atcccgttc ctgagcctcg tgagttcgaa 110

<210> 10480  
 <211> 473  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 10480

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 gattggttgt ccttgctcctt atccgattga gatgtgtcctt ttgtgttttc tttcaggctc 180  
 ggttctctttt gggatagagg aggcattgaa ggcacggggg cgacttcgtt ggcaattcgt 240  
 gcgagcatga aggttacgaa agtgaaggag acgctgtggg ctggtgagga ggcaaggctc 300  
 tcgaggaccc aagcctggga gtcttcccag gagagcggag gctgcttgac cctttcacgt 360  
 gcttggaattt gttggtcaag gctttcccag acggttaaccg agattatccc atctttcagg 420  
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<210> 10481  
 <211> 1275  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 10481

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tggaaccaat ttcatacctg acagtgcgcg cctgaaggtc ggtgggggca ccagagagaa 300  
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<210> 10482  
<211> 439  
<212> DNA  
<213> Aspergillus nidulans  
<400> 10482

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 cggttattac cttggggcct gagaagcgga gtgcttcggc gtgccggtta tcgcccaccg 240  
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 gttatatgac acatttaçag gacttttcgt tcagacatgt ttgcaagggt ggcgcaaaag 360  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 10483

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<210> 10484  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 10484

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<210> 10485  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 10485

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 aatgcatcca taagacaggg ttggctcaca cagcacatgt tacaaggagc gaatttctta 300  
 gattagcgcc tttttctaata atagactgcc actttctgag acgccattcc gcggaaaaat 360  
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 cgcggtggca acagaactag gcgtggttct agagaattca ggaatcagtt cggatacacc 720  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 10486

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 <213> Aspergillus nidulans

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 <213> *Aspergillus nidulans*

<400> 10517

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<400> 10518

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<212> DNA  
<213> Aspergillus nidulans

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<212> DNA  
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 <212> DNA  
 <213> Aspergillus nidulans  
  
 <223> unsure at all n locations  
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<400> 10523

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<212> DNA  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 10525

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<212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 10531

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<400> 10535

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<210> 10536  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 10536

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 10537

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 10541

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 10542

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 <213> Aspergillus nidulans

<400> 10543



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<212> DNA  
<213> Aspergillus nidulans

<400> 10551

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<212> DNA  
<213> Aspergillus nidulans  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 10555

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 <213> Aspergillus nidulans

<400> 10556

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 <213> Aspergillus nidulans

<400> 10559

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 <213> Aspergillus nidulans

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<400> 10562

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<212> DNA  
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<400> 10589

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<223> unsure at all n locations  
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10596

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10597

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 <213> Aspergillus nidulans

<223> unsure at all n locations  
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<213> Aspergillus nidulans

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<400> 10607

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<210> 10611  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 10611

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<400> 10612

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<210> 10614

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<400> 10614

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<400> 10622

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<400> 10623

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 <213> Aspergillus nidulans

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<210> 10633

<211> 2266

<212> DNA

<213> Aspergillus nidulans

<400> 10633

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<213> Aspergillus nidulans

<400> 10634

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<213> Aspergillus nidulans  
  
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<210> 10643

<211> 448

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<210> 10644

<211> 575

<212> DNA

<213> Aspergillus nidulans

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<210> 10645

<211> 2773

<212> DNA

<213> Aspergillus nidulans

<400> 10645

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<210> 10646  
<211> 635  
<212> DNA  
<213> *Aspergillus nidulans*

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<210> 10647  
<211> 581  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 10647

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 tgtacaggtt gtgcgagact gggaggtgga ttctatagcc aagcacgtga agcggatatat 240  
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 cgacgtagct cagtattctg gccagggaga ctatctaagc cgattactgt ccgcagcgcc 420  
 tgactctgac actgtcgtag agtccatgat tcacccacct gataagaatg atgggggatga 480  
 tgctgacaga gacatactct tgccgcgacat gcgatctgtg cttgaacagc ggattatatg 540  
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<210> 10648  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 10648

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 ctaaagtcag ctagctcacc ggacagggtt cttgttgaat gaagggaaag tctcgagttg 240  
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 tattgcgata tctttaattt cattcgaact ctttcttttg caacttatct ttatgcttaa 480  
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<210> 10649  
 <211> 645  
 <212> DNA

<213> Aspergillus nidulans

<400> 10649

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gtaaaatcct tgtcttttat gtgcgattgt catgtttcaa acaggtttct gggtagatgg 240  
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tgcttactct tgatctggta tataccaaat gaggagatc tttgtaaatt tattctttgt 540  
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<210> 10650

<211> 583

<212> DNA

<213> Aspergillus nidulans

<400> 10650

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gatacggatc gtcttggtcg gcggtgacga gacaaatccc tatacatagc gcacggaaca 180  
cgcggaattt gatgatgca ttttgctctg ggatgagttt tcgtgaagcg caaagaacag 240  
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accccgattg ctggagctcg ggacaatgca gcctaacttg aacgggtag aggcattcatc 480  
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<210> 10651  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 10651

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 gagaagagtg tggtcacccg gattcgtcaa ctgcaccgga gatttcccag agctgaacta 180  
 ctttgacgat ttcataagac tcgccagaat ggattatcac aacaatcttt gtcccaaata 240  
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 cataagaaag agaccaccaa aaaaaagaaa aagaaggaca tataccggga agagttccca 540  
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<210> 10652  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 10652

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 catgaaagac caccacagat tagggatata ctccgtattt acagttctat ctgcttaccg 420  
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aagtcacac gtcacgcgc cgtcgtaaga acataactaa tagctaggct agctgagctc 540  
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<210> 10653  
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<212> DNA  
<213> *Aspergillus nidulans*

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aaaaaactct gtaattaact gggtatgagt ttctagacat tgtgatttta gtactgattc 180  
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<210> 10654



<211> 755  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 10654

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 <211> 494  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 10655

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tgaaacagag aggctcttcg aagggttggt ttaatggtca caagcgatct gacatgctca 180
cggggatcac agcgtgctt ctagctgcgc tcggaccaat attgtagcat gcgccctaaa 240
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acactctacc aacatacttg ctggagtcga gcttggcatc atagtccaga cgaacagttg 420
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<210> 10656  
<211> 1330  
<212> DNA  
<213> Aspergillus nidulans  
  
<400> 10656

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<210> 10657  
<211> 626  
<212> DNA  
<213> Aspergillus nidulans

<400> 10657

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gattgacgag aaacagaatt tgtcagggat agcgtcaggg ataacgacag aaaggaaaga 240  
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agtcacgtt cacctcacct tttgagtccc tgaccacgc aaaaccagac tgatcatcaa 540  
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taagccagga actgagggac agcttt 626

<210> 10658  
<211> 4019  
<212> DNA  
<213> Aspergillus nidulans

<400> 10658

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<400> 10669

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<400> 10670

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<213> Aspergillus nidulans



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 <213> *Aspergillus nidulans*

<400> 10673

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 <213> *Aspergillus nidulans*

<400> 10674

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 <212> DNA  
 <213> Aspergillus nidulans

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 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations

<400> 10676

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 <212> DNA  
 <213> Aspergillus nidulans

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 <213> Aspergillus nidulans

<400> 10678

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 <213> *Aspergillus nidulans*

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<210> 10680  
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 <213> *Aspergillus nidulans*

<400> 10680

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<212> DNA  
<213> Aspergillus nidulans

<400> 10681

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<210> 10682  
<211> 637  
<212> DNA  
<213> Aspergillus nidulans

<400> 10682

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<211> 461  
<212> DNA  
<213> Aspergillus nidulans

<400> 10683

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<210> 10684  
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<212> DNA  
<213> Aspergillus nidulans

<400> 10684

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<212> DNA  
<213> Aspergillus nidulans  
  
<400> 10685

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<210> 10687  
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<212> DNA  
<213> Aspergillus nidulans

<400> 10687

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<213> Aspergillus nidulans

<400> 10688

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<210> 10689

<211> 920

<212> DNA

<213> Aspergillus nidulans

<400> 10689

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<210> 10690  
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<212> DNA  
<213> Aspergillus nidulans

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<212> DNA  
<213> Aspergillus nidulans

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 <213> Aspergillus nidulans

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 <213> Aspergillus nidulans

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<210> 10695  
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<212> DNA  
<213> Aspergillus nidulans

<400> 10695

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<210> 10696  
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<213> Aspergillus nidulans

<400> 10696

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 <213> Aspergillus nidulans

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<212> DNA  
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<400> 10713

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 <212> DNA  
 <213> Aspergillus nidulans

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 ttgttgattc tgttagaggt attttgaatc agttctgtga tattagatgc tttggtttta 360  
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 ctctgcacca tgctgcaaaa agaggctctg agaacactgt taagttactt ctttctcacg 480  
 gtggttaagt tttgtcttct catacaactc gatgaatgtg aggtcagtga atacttatgg 540  
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 <213> Aspergillus nidulans

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gctttggata tccaacttgc gctattatca gggaaacaat tggtgcaatg caaggctcct 240  
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cggcgctcac tgacgagaag agcaccgagg catacaagag tgaagaccac ggcgcatagt 960  
gaaaggagca ggaaggtgcg tgccgtcagg tctgagtcta tcgcggaaca agaaatcaag 1020  
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<212> DNA  
<213> Aspergillus nidulans

<400> 10729

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ctcgaacggg aaagcacgca ttgatgtctc aaccaaagtc cgcgactctg gcaaaatcca 960  
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<212> DNA  
<213> Aspergillus nidulans

<400> 10730

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<210> 10731  
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<212> DNA  
<213> Aspergillus nidulans

<400> 10731

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tctcccgtg cg 132

<210> 10732  
<211> 445  
<212> DNA  
<213> Aspergillus nidulans

<400> 10732

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tcttcatttg tattttttatt tttctttttt ttttgataat taggagattt aagagtggat 180  
ggggattata tgggtggtata tggaggatag ggaagttcga tgaagaaatg tggtttatga 240  
ttggttgata tggtggaggg ttgaaattta ggaagatatg atgagtgatg gtgtaaaggg 300  
ggtggcaaga gtgaaaggaa attttaggaa atgagaaaat gaagagaata gaggttgaat 360  
gtttgtttat gagagaatgt tgagagtggg aatgtgtttt attgggtaga tgtgagttag 420  
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<210> 10733

<211> 1036

<212> DNA

<213> *Aspergillus nidulans*

<400> 10733

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cgccaaagca tgggaagcga accagctgcc gacgacgacg aagatagcga tgacgagcat 540  
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<212> DNA  
<213> Aspergillus nidulans

<400> 10734

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<210> 10735  
<211> 467  
<212> DNA  
<213> Aspergillus nidulans

<400> 10735

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ctgactaatt aaccagtgtc taaaccgcag cgaagtgagt tggatatgaag tatcttagca 180  
tgagtgtata tgctggttta gtaatcatgg tcttctacac tccgaagaaa ttctccccta 240  
tctgcacata tttgatcgtc tgccgccaga acgtaaaagc aatatggatt gagccatcct 300  
ccccaacgac cataacttggg tatgacagct ccctattcag cttctgctcg ctattgttgg 360  
ttaaacaata tccatcccc tctccagcg tccggtgctg ccacgtcctt cctcgtcat 420



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467

<210> 10736  
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<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
<400> 10736

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tttatctact ctattaccta catactttca cagccctcag agccatgtct gtctctattg 540  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 10737

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 <212> DNA

<213> Aspergillus nidulans

<400> 10738

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ccgcagcatc ggccccgctg agttcgagtg cttgcctttc tcctgactca agtcctgtcc 180  
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<210> 10739

<211> 1493

<212> DNA

<213> Aspergillus nidulans

<400> 10739

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 <212> DNA  
 <213> Aspergillus nidulans

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 <212> DNA  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 10759

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 aatatgagac atgagtctta taataacaac gttttctgcc acctcatggg tcgaaaaccg 480  
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<213> Aspergillus nidulans  
  
<400> 10760

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<210> 10761  
<211> 212  
<212> DNA

<213> Aspergillus nidulans

<400> 10761

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taacattccg tgccctggac atatgtcact gtgggtaatc tcatgcgata agacaatcag 180  
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<210> 10762

<211> 493

<212> DNA

<213> Aspergillus nidulans

<400> 10762

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cgactgccgc cctcctcgcc agtagctcac cggctgccgc tcaggaacaa acatatattg 180  
gctgcttctc cagctcgaag cccctggagg accagggtag ctacacctac cagagtaacg 240  
gatactgcat gaacctctgt tatggaaaga acaaggccgt ctttggtttg tacaatgcaa 300  
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caacaagcca tgtgctgcct ggcctatcgt catgtgtaag accttctctg actacagtga 420  
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<210> 10763

<211> 1162

<212> DNA

<213> Aspergillus nidulans

<400> 10763

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aggctggagc cttggctgtc caacatgcag cccttaagga ctttctgggt gagcgcgggt 180  
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 <212> DNA  
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 <213> *Aspergillus nidulans*  
  
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 catatatgtg cgtacatgca tccgacggga attcttgact cgagatctcg cagccgaggt 300  
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<210> 10766  
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 <213> *Aspergillus nidulans*  
  
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 catttgccct cggcgatcga ctcggataaa ccgactccac cggcaattcc ttacggaaat 540  
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 aatgatttt tcgtctttca acccttgac catggccgag ccaaagccct cgacgagcta 720  
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agtggctaca aaggccattg ttcaggaatt cggcgtctcc cagaccaag ccggcgagtt 1020  
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<210> 10767  
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<212> DNA  
<213> Aspergillus nidulans  
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<400> 10767

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<211> 1078

<212> DNA  
 <213> Aspergillus nidulans  
 <400> 10768

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 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 10769

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 gtcaagttta tctgcgccc ggtgtggaac agggcgggtca aagcaagata gaggattata 180





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<210> 10771  
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 <212> DNA  
 <213> Aspergillus nidulans

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 10772

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<400> 10774

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<400> 10786

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 <213> *Aspergillus nidulans*  
 <400> 10787

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<400> 10789

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 <213> *Aspergillus nidulans*

<400> 10791

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<400> 10794

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 <213> Aspergillus nidulans

<400> 10795

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<213> *Aspergillus nidulans*  
<400> 10804

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 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 10805

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<212> DNA  
<213> Aspergillus nidulans

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<211> 1540  
<212> DNA  
<213> Aspergillus nidulans

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<210> 10808  
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<212> DNA

<213> Aspergillus nidulans

<400> 10808

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 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 10809

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 <211> 543  
 <212> DNA  
 <213> *Aspergillus nidulans*

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 <212> DNA  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 10812

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<210> 10813  
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<212> DNA  
<213> Aspergillus nidulans

<400> 10813

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 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
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 <213> Aspergillus nidulans

<400> 10818

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 <213> Aspergillus nidulans

<400> 10821

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<212> DNA  
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<400> 10822

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 <213> Aspergillus nidulans

<400> 10824

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<213> Aspergillus nidulans  
<400> 10825

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 <213> Aspergillus nidulans

<400> 10843

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<400> 10844

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<210> 10845  
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 <213> Aspergillus nidulans

<400> 10845

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tcctatcagt agcatatccg ttgccccgtg aacatgatag attgggaaaa ctgggtgaag  420
ggcaatagta aagaataata atgttgattc aactgctgat gataagatgg gtttcctcac  480
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<210> 10846  
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<212> DNA  
<213> Aspergillus nidulans

<400> 10846

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<210> 10847  
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<213> Aspergillus nidulans

<400> 10847

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2004

<210> 10848  
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<212> DNA  
<213> Aspergillus nidulans

<400> 10848

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<210> 10849

<211> 1467  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 10849

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1467

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<400> 10850

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<212> DNA  
<213> Aspergillus nidulans

<400> 10851

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 <213> Aspergillus nidulans

<400> 10852

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 <213> Aspergillus nidulans

<400> 10853

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 <212> DNA

<213> Aspergillus nidulans

<400> 10854

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<211> 997

<212> DNA

<213> Aspergillus nidulans

<400> 10855

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 10856

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 <212> DNA  
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 <212> DNA  
 <213> Aspergillus nidulans

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<210> 10859  
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 <213> Aspergillus nidulans  
 <400> 10859

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 <213> *Aspergillus nidulans*

<400> 10860

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<210> 10861  
 <211> 508  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 10861

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 ctacaataaa aatggttatta tattatttct aaactttagg aaaatataaa attggttatta 180  
 gtatagctac tgtgaaataa aaaataaact tgactaaatc tagtaataga ttctagagct 240  
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 gaatgattat taatgtatct tgggtcaataa ataggctaga agatcacctt tatctaggat 420  
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<210> 10862  
 <211> 112  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 10862

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<210> 10863  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 10863

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 <213> *Aspergillus nidulans*  
 <400> 10864

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<212> DNA  
<213> Aspergillus nidulans

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<213> Aspergillus nidulans

<400> 10866

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<211> 311

<212> DNA

<213> Aspergillus nidulans

<400> 10867

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tctcgcacct cttttcaagg ctcgccgcca tgcttgcaat tgaccaggca accgagctgt 180  
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<212> DNA  
<213> Aspergillus nidulans

<400> 10868

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<210> 10869  
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<212> DNA  
<213> Aspergillus nidulans

<400> 10869

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<213> Aspergillus nidulans

<400> 10870

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cgagatcgat attaacgggg acagtgtata tgagcgagca atcacactgt acgatgacac 300  
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<210> 10871

<211> 222

<212> DNA

<213> Aspergillus nidulans

<400> 10871

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gagatgtgca tgtagctaag tcatagtga tggtgatggt atattgcatg actatccacg 180  
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<210> 10872

<211> 827

<212> DNA

<213> Aspergillus nidulans

<400> 10872

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 ctagccaacg ctatccaccg gctctgcttc cccgctgcat cccatgctta tccatcgctc 780  
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<210> 10873  
 <211> 1452  
 <212> DNA  
 <213> Aspergillus nidulans

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<210> 10874  
<211> 1425  
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<213> Aspergillus nidulans  
<400> 10874

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<213> *Aspergillus nidulans*

<400> 10875

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2405

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<211> 1269  
<212> DNA  
<213> Aspergillus nidulans

<400> 10876

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<210> 10877  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 10877

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<210> 10878  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 10878

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<210> 10879  
 <211> 1367  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 10879

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<210> 10880  
 <211> 487  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 10880

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<210> 10881  
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<212> DNA  
<213> Aspergillus nidulans

<400> 10881

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<212> DNA  
<213> Aspergillus nidulans

<400> 10882

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<210> 10883  
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 <213> Aspergillus nidulans

<400> 10883

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 <213> Aspergillus nidulans  
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<400> 10885

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 10886

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<210> 10887  
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<212> DNA  
<213> Aspergillus nidulans

<400> 10887

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<210> 10888  
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<212> DNA  
<213> Aspergillus nidulans

<400> 10888

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<210> 10889  
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<212> DNA  
<213> Aspergillus nidulans

<400> 10889

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<210> 10890  
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<212> DNA  
<213> Aspergillus nidulans

<400> 10890

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<213> Aspergillus nidulans  
  
<223> unsure at all n locations  
<400> 10891

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gcgccaagc caacagacgc gcaggcgga nggcgaacgg aaaacgaaag cgccaacaaa 300  
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agccgcaaaa agcccgaaaa aacaaaagaa gagacccgag gaacggaaga gggcagngcc 420  
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<213> Aspergillus nidulans  
  
<400> 10892

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aactggaaga gataccgctt aagatggcaa aaaagcgaac cacaaactcc aaaacgaaat 480  
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 <213> Aspergillus nidulans  
 <400> 10893

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 <213> Aspergillus nidulans  
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 aatctgcagc attcatggac acagcgcacg tcggtgtcct cagctccaag gtagcagcta 420



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<212> DNA  
<213> Aspergillus nidulans  
<400> 10895

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gctatagatc atattcacca acatggaagg taaaattact gcgtgatttc aaatttttca 480  
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<212> DNA  
<213> Aspergillus nidulans  
<400> 10896

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<400> 10897

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<210> 10898  
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<212> DNA  
<213> Aspergillus nidulans

<400> 10898

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 <212> DNA

<213> Aspergillus nidulans

<223> unsure at all n locations

<400> 10900

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acgaacaccg gaggagcgcg gaacacgacg gaacgngcac ggaaaaaagg acagaagcgg 240  
gaaacgaacg gggtccagga gagggacaca caggctgaca agcagacgag gaacgcgggg 300  
accacggcga 310

<210> 10901

<211> 1918

<212> DNA

<213> Aspergillus nidulans

<400> 10901

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ccatagaact gaatctgacg gactgactcg cgtccatgta cgactgtaat ccagttgtc 180  
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 <213> Aspergillus nidulans

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 <213> Aspergillus nidulans

<400> 10903

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<211> 380  
<212> DNA  
<213> Aspergillus nidulans

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<212> DNA  
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<211> 601  
<212> DNA  
<213> Aspergillus nidulans

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 <213> Aspergillus nidulans

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 <213> Aspergillus nidulans

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 atctattacc ggctagtagt cgagagtgcc ggacttatca ccgtagcag cagatagcgc 180  
 tgttacctaa aaactgtgat aatttgctcg gggagctgca acaaacgata agaataacag 240  
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 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
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 ctgtgagctc ctttttcgat ttcatacagcg aaccaaaatc agctcaggtc tcagttcatt 180  
 tcaaatttga ggcagttcgt atgntttggt cttgagactc cggattagag tttaacgaag 240  
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<210> 10911  
 <211> 365  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 10911

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 tgcaacaatc cgtatgactt aaaaacagaa gaaaattata atagtgaata gacagaagtt 180  
 tggtttagtc caatcaaccc ggtaatagat ctctcttgg ttgcagtcca acatgtgtga 240  
 ttaaaaatgg tttgtgtaaa cgtaatctaa aatcctcgtg taattacact ttgattacg 300  
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<210> 10912  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 10912

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cccgaaatca tactattcca agtaaccaca ctctttactt ctgtttttatc aaacaaaatt 240  
 ctagctttcc taacattccc acacttgaga tacagattaa tcagagaatt agaaaccgga 300  
 atcgttttat ctaaaccggt ctttacaaca actgtatgta cctgaagtcc cctcccaccc 360  
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<210> 10913  
 <211> 562  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 10913  
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 aacgcgctcg cttcatcttc agttctccca aacgccctgc catttccatg actcctttac 180  
 gaaagtcctt tgctctcttc tcttcaatc tcacctctc ctgtatcttc ttcatttctt 240  
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 catcatagtg gtgggcccgt tcaagaatct cgttcaggat ctccctgagc caaccagctc 360  
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 tcaatttctt caggggcytc gattggagtt caagaaccac cgcggctaga gtctcaagcg 480  
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 aggatttctg cagagtggcg ag 562

<210> 10914  
 <211> 575  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 10914  
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cgcaatccag gcctagtcgg tggggataag cgaccaatgg gggttgtagt ctgtgtaggt 240  
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<210> 10915  
<211> 813  
<212> DNA  
<213> Aspergillus nidulans

<400> 10915  
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cgttcgggac gtgggaaatg gaatgtgtgc gtactgtatg ttcagcgacg gagaccagtt 600  
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<210> 10916  
<211> 403  
<212> DNA

<213> Aspergillus nidulans

<400> 10916

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gaagacgtaa gagaaatata agcaaggact gacgaacaaa ggagaagaaa actaacaatg 180  
gaagaagaag gagaataata agaagaaggt aatttctcgt tcaggtcgcc gcttgtcgac 240  
actaaactga aaaagtgaga aattcataaa attttagggg ttagttaaca tactagagga 300  
ttattgtgaa gtagctgaat cttttgttgt ttatggttac aatttcaggg aaatttggct 360  
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<210> 10917

<211> 270

<212> DNA

<213> Aspergillus nidulans

<400> 10917

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ctaatttgtt ttcaagggtt agtagagggtg acgatagaag tgagagattg ctttagatcc 180  
ggcagacttc caggcaagct tcgctatggg ggtaataatc attgacatag ggatcattgc 240  
tgtgtgaatt ggaatgctgc atcttgagta 270

<210> 10918

<211> 475

<212> DNA

<213> Aspergillus nidulans

<400> 10918

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tcaaattagt attatatcaa taagcgaaat tgatagacaa attaaaaaat taatccgtgc 180  
aaaccatgga tactaactta gttatttatt aaagactgat tctatcttag atgcagccaa 240  
gcaagccatc ctaagtttct aatttagaaa aaaaatacca caatcgttcg gtgaaccatc 300



agtctcgtat atattgatgt attaacctaa aaattaaaac tatgtgtgac gtgtatctta 360  
 tatatttcca tcttactata tagttttcct ttattggcat gttttgttaa attatgagtt 420  
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<210> 10919  
 <211> 2323  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 10919

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 agagacaaca gagcaacaga gcgaccgcag aatgaccata agaataacaa ggaatgtagt 180  
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<210> 10920  
 <211> 3120  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 10920

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 aggatgcgtc tagagtattt gagacaggcg taccaaatag tggaaatcac tcgcggaaga 240



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 <211> 559  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 10921

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 gaacaagggtg ttccacaaca ttacagacac acacgtggct catcacctgt tctcgacaat 360  
 gccgcattat aacgcaatgg aagctacaaa ggcgataaag ccaattctgg gagactatta 420  
 ccagttcgat ggaacaccgt ggtatgtagc gatgtatagg gaggcaaagg agtgtatcta 480  
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 aggatgatgg tgaagaaat 559

<210> 10922  
 <211> 455  
 <212> DNA  
 <213> *Aspergillus nidulans*

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<210> 10923  
 <211> 1101  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 10923  
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 <211> 556  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 10924

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gcaccattcc ctggtgatg accagaacat cgccgggctc cattgtcgcc cgcacggtct 480  
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<212> DNA  
<213> Aspergillus nidulans

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<210> 10926  
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<212> DNA  
<213> Aspergillus nidulans

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<212> DNA

<213> Aspergillus nidulans

<223> unsure at all n locations

<400> 10927

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 <211> 492  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 10928

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cattgctccg ttgactcttt caagcaaggg cttccttgtc tcagaggccc cttcaaccgg 420  
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<210> 10929

<211> 2411

<212> DNA

<213> *Aspergillus nidulans*

<400> 10929

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<212> DNA  
<213> Aspergillus nidulans

<400> 10930

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<210> 10931  
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<212> DNA  
<213> Aspergillus nidulans

<400> 10931

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cagggtggca agagctccgt ttagcccgcg ttttcagctg accgccggag gtgttctcgt 180

cagaagccgg gaacggaggg aagatgaggc tttcgctctc caaagcgtcc tgctcaaaga 240

gatctctgtt tttctgagag attaaaacc agtacacagc gccgctgacg ccaataccca 300

aaatagcctg gtcacagaa gagccgccga ccggctgtga tgtgcacaca gaaacgttga 360

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aggaacggtc taactgatcg aaatccttct tcaatcgagc gatatccatg atcccatcat 540

cgcgcaaagc cggaagcttt ccagcataag gcttgacaat gattgatatg aatggtttca 600

agggaaagtt gtgtacaggg acaatgcgct cttcgtcctt ttcagcacta tcttcagcac 660

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<212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 10932

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<210> 10933  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 10933

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 <211> 467  
 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 10934

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 <211> 2074  
 <212> DNA  
 <213> *Aspergillus nidulans*

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<210> 10936  
 <211> 1787  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 10936

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gcgaaaaaga tcccatgtgc ctccgatgct atttcgtgcc tccaggatgg cgaagcgacg 540  
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aatgagaaag tcaaacgagg cagatgtcat cttatcaata tgtggatact tgcttgattg 660  
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cgctggcgca cttctggaca gtgaaagagt ttttacacag catgatccag aacgatcacg 1740  
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<210> 10937  
 <211> 164  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 10937

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 atgaatantg gctattagtt acgattttcc aattaatgca cttc 164

<210> 10938  
 <211> 599  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 10938

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 ccaaaaggag gtattaccac tgctaaagag gaatgtagaa tggaatacgt ccagaatcgt 180  
 acagatgaat cctggttcag gtttgtgtca atactttatt ctctagtagc tagctcgctt 240  
 cttttactgc ttctatctac agctttcttc attttcttat gccaaaggaaa agttttaga 300  
 actaactctc gatgtgatgc ttactttatc caggtacaag aaaatcttga cttgttataa 360  
 ttactgtcta atgaagtttt cattccttgt ggcagcattt ggatcgctcc gggttgcaga 420  
 actcgactgg ggaaacgaag atcatataac ggccgttgag ccccttttga ctatgtcatc 480  
 ggtactgatg ttgtaagttc atcggaatct tcaaatgatt cactctaatac atgtaatcta 540  
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<210> 10939  
 <211> 1442  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 10939

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tatactagaa taattgtatt gatactgtcc ctagcacacc atgcttcgcc acggttggga 180  
cattcagtgg aaggccgcga caacaggccg acgaccgcag ggtatgtcca tccggcaatt 240  
catagcagaa ggcttgcgt ttgcatcgca tctagagacg catcatgcca ttgaagaaca 300  
acatatcttc ccgcatctgg cgctgaagat gcctgagttc cgggtgggca aagggaagca 360  
taacgccgag ctcttgccgc agcataagca gattcacgcg gggctggatg ggtttaggga 420  
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gatggagagt tggaaggatg tgctctggac gcacttggag caagaggcca aaacactagg 540  
ggcggacaat atgaggaaat attggaataa ggaggagatc gggaggattc ctttctgatt 600  
cataaatatt ccataggtgg catggtatga gcatgtatat atgggtatcc aataccgtcg 660  
aaggcgcaaa gggcaacatt tcttcgcttc ttcacccttc cgtattcttc caaggagtcg 720  
gacgattgca gacagccacg gacttcgcat agcagtgtca actgccgcta ttaatagctg 780  
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tg 1442

<210> 10940  
<211> 418  
<212> DNA  
<213> Aspergillus nidulans  
<223> unsure at all n locations

<400> 10940

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gccggcgcac cgacccgagc aagcacacgg gcgcagcgcg aacccacaac gaaccggacc 180  
aaggaagncg acgagggggc cncagacgga gaacgaacag aacggcaaga gaccaggacg 240  
ggcaaccaga acacgcgcga ggacgagaca accacacaga gccgcagcgc cccacgggac 300  
gaaagcaacg accagaagaa cgcaagaag gacagggacg ccacgaacag gcacggacag 360  
aggacagagg aacaccacaa aaagccgaca cgacaagacg acaagcgaac aacgggcg 418

<210> 10941

<211> 1945

<212> DNA

<213> *Aspergillus nidulans*

<400> 10941

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accgtttcgg cattcaaaac cgtaggaagc aagatgtcga gagaaaacta gcacctacca 180  
ggggtagtgt tatacaggac caaacatggt gcgagtccca tatcaagtat caggactggt 240  
taacggcgct gtagtctgat tggctcttgcg atcacaagta gcacctggca gacaaattag 300  
atagatacct accatgactg gcgatcttgt ggtaggcggc cttgttgata ataagcgggg 360  
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caggttgcg c agtgatttgt ctgccgccga agaagcgccc gttcaggccc ttgatggcgt 480  
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<210> 10942  
 <211> 525  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 10942  
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 cctttttatc tggcattaac ttggaaccac gtgcatctaa agcacctttt actaagatca 240  
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ttgttaagaa taatgaatta ctattctcat taatagcatt taaccagcca ggcaaccata 360  
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<210> 10943  
 <211> 2198  
 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 10943

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 ttcaagcaat gcgccgctta tcccatggta acttcgcaag gcccttctct tccagttaag 180  
 gaacgcgaac cgggggtatcg aggaacagcc ccagcgccga tcggactcgc ctctcctccg 240  
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 actccgtctc atccccagtg atgatcgatt gttatcaaat tccctcatct tgcctcatta 420  
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<210> 10944  
<211> 2278  
<212> DNA  
<213> Aspergillus nidulans

<400> 10944

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cgagagtctt catgcgcac tggttgcta atgacttgcg gttgcctaga tcggctttca 180  
tgcggtcgcg ttccttgatc cgttgaagga ggttctattg ccctgttagc taagtcttgt 240  
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 gccaccgccg gcgtttgtat ctatcgccaa gaccattcac taaagtatct tggcgctcgct 2100  
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 tcgaggaacg attggctaaa gaatttaggt ctaatacacc cgcctcatgg ttactcatta 2220  
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<210> 10945  
 <211> 2025  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 10945

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 gatgagggcg tcgacatgag gaactataca tatgcggtat ttgggaaggc gattctggca 1980  
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<210> 10946  
 <211> 531  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 10946

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 gccctcattc ctttttcctt atctgcacat ctttgttctt catacaaagg ctgctctttc 180  
 gtactttgct tccccgatt actcatctct agaatagctc cagagctaaa actcactaag 240  
 tagactagat tattcgattt tcatggcgtg gtgttttgcc tcatcctgaa gatccattct 300  
 ccctattttc ctttacagat atcaaggaac ataaccacaa atgaaatggc caacgccctg 360

cggtacagct acctaagagg tccaggtggt cggtttagga atccttatga tctcgggtgc 420  
 agaagaaact gctcggactt cttagtaaaa ggttataacg aagatattga gtgtcatgaa 480  
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<210> 10947  
 <211> 1989  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 10947

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 gaacttttcg caaaattggc ggccgggggc tcaaaatctc ccttagggga agagtaagaa 180  
 ggagtttcat cattctgggc gttctgatgc gataatagtt tgtgagctgg ggtaaaaaaa 240  
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 tcgggttcat cagcggggag ccaagctact cgtattttgc gtcctgaat agctgatttg 360  
 gtggctttct caaactatag gtcaattaga gaatgccatg tagaagtatc aagaacacat 420  
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 aacttatect tgcatttcgc atccggagct ggttcgtcct tcatggcctg caataacact 540  
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 aacagcgatg agaaagcagg tcggagggtca atagggattg cttattgggg gccgcgtttg 1860  
 actgacagta ccaagtttcc atattcgtag ggttccagct ttgtagtagt ggggaccctt 1920  
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 <211> 490  
 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 10948

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 ggcggcacgc agngcaaaaa ncaggacgac gagccagcaa cgaaccagac gcaagcacca 180  
 aggaagagaa cagcaacaaa gaggcacagg gagcaagggc ccgacaagac acaagaacaa 240  
 gagaagggaa cggacgaagg cagcggggac gaaaacagac ccacagaaag accgaaacaa 300  
 gacgggaggg ggagacacaa gacgacagca gggacgaaca gccgaagaaa gggaaaggcg 360  
 cgcaaagaac aggagcgggg ccaacagaag aaaagacagc acggccaaac agcagcgggc 420  
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490

<210> 10949  
<211> 1584  
<212> DNA  
<213> *Aspergillus nidulans*

<223> unsure at all n locations  
<400> 10949

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tctcccgggt cgagtagaca atctccagag acggagccta tttctgcgaa tatggctttg 180  
gaatgaatgc tacaagttct cgcgtcagtg cagccacaga aaattgacaa ttgccaatca 240  
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tcctataccc cctgtcgcag cctaaccgcc cgcataata tagataattt tggccgcatg 360  
cgcatatctt cctttggtca accttaggca tgggtgcgggg tatcaaactt gcggttgac 420  
aagagcataa aaaccagctt gagtagcaac aacatgaagt aggagcaact gcagcttctg 480  
aatgtgactc tgtgctgtcc atcaatatgt ctgccacca ggttgtcaag tctcacggtc 540  
cattccaagg gcttcccacc tatcccaga cacctgagct ctccgatctg tgtgcagtgg 600  
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 tttgaccca gatgcggaaa atcaggcatt caatatccag gatggcatgc ctttcagggtg 1500  
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 tgaaagggtc cagtataggg cccc 1584

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 <211> 505  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 10950  
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 aacaattgaa aaaatcaa at ggatcaagag aaatgagtta ctaaacctca aggaatgatt 180  
 cagcagcaag atcattgggt agaaacttaa tcaaagctct ctttttggtg acaaattctg 240  
 agttagcttc aatctgaaaa gcaaaagaga gattgaagga gtcacaca cacaagtcaa 300  
 taaagtcggt tcttttattg caagtacaag agacataaag taaaaccgca tttctctttt 360  
 tttctcttta ttacctgggt gatgagttgc ttcatttctt tcctaaacct ctcagctttc 420  
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 acggaacaac tccactgaga caaat 505

<210> 10951  
 <211> 1382  
 <212> DNA  
 <213> *Aspergillus nidulans*

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 aacgtcgaat ccggaccca cctttccttg agcagcaca tgggcggcct gcgccagggt 180  
 gtgcaattta tcacgagccg caccaagatc atccggctgc atggtccgat gaattaccat 240  
 cgcggaacac aacgaagtga ccaaggctgc agatgaacca agaccagtct tgtgcgcctc 300

atggagagga acaccaaagt ttacgaatcc ccccgcttg cgctctgaag cctttgagaa 360  
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 ccaaactgca ccaacaaatt gaggtgagcg aacgacaatc aggtctacat tgtcattctc 660  
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 catgacgagg ggctttggtc gtatttcgag acggggcttt cggacgtgaa tcgctcgagg 900  
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 acggtgccgg tgagggggta ttaagtgatt caactgcggg ggtgtcgaaa gtactggacc 1020  
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 tgctccatag gacaaggagt aaagattact ccgaggtcaa cagtcaatca gtatctacgc 1320  
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 aa 1382

<210> 10952  
 <211> 378  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 10952

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 aactggagga agtaacggaa aagaagatcc aagagcacat tggtaagtct cggatgcaag 180  
 gattagagga agacctgaag gtcttcaaga agaatttgat ctgaaataga agctctactg 240

gagaaagaga aggaagaact caaggacttg aagcaaaagt gctcggacac agaagctctg 300  
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<210> 10953  
<211> 463  
<212> DNA  
<213> Aspergillus nidulans

<400> 10953

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cctcacctct ccccatcctc atttcatect ttatcctctg gccttgtgat gctaggaata 180  
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gcaaaaggca ccttgcaggt ataattaagg atcttgagat agggaaatta tcctgggtta 300  
tttcagtggg ccctaaatat aatcacaagt atctttatca gagggagatt agactacaga 360  
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gaatttggtc agctaccaga acctaaaaga cacaaggaat gaa 463

<210> 10954  
<211> 2381  
<212> DNA  
<213> Aspergillus nidulans

<400> 10954

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gatatccgca cctgataatc tccagcggta agccctcctt atatccggat tgtaaacggc 300  
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ctcttcgaca cgtctctctc cagcgacccg aaggtagcgg ccgagggcga cggcgtcgaa 420  
tgaatcccca ataacatcca cccttaaatg atgcctgctc catcacagcg ctgttctatt 480





tgactgctgg cgccgtagaa gtactcatcc ggcacacgga cgggattggt tggcattggg 2160  
 cagaatgacg ctgctgaggg gtagaggata gaattgtcag gcgcgacaat gagggggttcg 2220  
 tccattgtgg tttttagagg ctcagagtca cgggtgtctcc tctggaaatt gttagtttga 2280  
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<210> 10955  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 10955

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 cccccgaaa tgtaggcgtt gtatatttct ccagattaag ctcaaaaccc ataccccccc 360  
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<210> 10956  
<211> 1874  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 10956  
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gaagaaggaa gatgctctct acaagcggtg tgtggagcgt gatgaactcg gccaggagaa 540  
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caaccgagct gagttttag atgaaggcga ttacgagtat gtctttgatg atacgcaaag 660

gatcaatttt accatggacg cacagatgaa gggtagcgcg aactgcatga cccaggaaca 720  
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 cagcggacta attt 1874

<210> 10957  
 <211> 463  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 10957

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ttgctgctgt gcatgaccaa ctgacaaata ataaaaagtt aggacaattt atacgagaag 180  
 aatgaatggt agggttaagcg atatatacac acaaaacaag gataagcgat acacgttatc 240  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 10958

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 <212> DNA  
 <213> Aspergillus nidulans

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<210> 10960  
 <211> 379  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 10960

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gatgtcacca gttagggttca aagcaacgat gatacctcag tagactgata cctcagtaat 180

gtatcggcat agcataattg ccgggggactt aggatcactg tgacacatga taatgatcca 240

tcacgaaagg tagacatagc ttttttgcag aggagtcgac atgcttgtgt caccatcagg 300

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tagctttatt ccgggggac 379

<210> 10961

<211> 586

<212> DNA

<213> Aspergillus nidulans

<400> 10961

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<210> 10962

<211> 549

<212> DNA

<213> Aspergillus nidulans

<223> unsure at all n locations.

<400> 10962

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ggaaaccccg cggaaaaaaa gggggcaaaa gacccaagc ggcaaaaaca agggccaaaa 480  
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<210> 10963  
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<212> DNA  
<213> Aspergillus nidulans

<400> 10963

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aatactgaat gaaaacagtc atagataatc aagaggaagc ttaaggaaga actcaactaa 180  
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<210> 10964  
<211> 573  
<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
<400> 10964



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<210> 10965  
 <211> 378  
 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 10965

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 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
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<210> 10967  
 <211> 1364  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 10967

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<210> 10968  
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 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 10968

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<210> 10969  
 <211> 1780  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 10969

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 <212> DNA

<213> Aspergillus nidulans

<400> 10970

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<210> 10971

<211> 520

<212> DNA

<213> Aspergillus nidulans

<400> 10971

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gttgctattg tcttgaatcg aattggcaca gaaagagtat ctggctaaaa ccaaaaacgc 240  
aagagcgggt gagaataagg tttggttggt ctctgatga ataggctggt gacagagaag 300  
agccttaaag aacctaaggt gacatgaaat ttttagccct tttcctgaaa tagctttgtg 360  
ttgtgttggt ttggtacgaa ccactatata tatctctttt gtgtcttcac ctacatttgc 420  
tcagcctcta ataaggagaa aaaagaaaca aacagttttg gcttcttgaa aggaatcaga 480  
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<210> 10972

<211> 2584

<212> DNA

<213> Aspergillus nidulans

<400> 10972

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gaccgtgggc ctggctggat agctgaagtg cacgtccttg aactcgatgg cagtgtccga 180  
gtctaattgg actgtctctt gctttccggt ggaggcgttt attgacggcc gggagccaag 240  
gatatgtata atgttggttg cagctgtgtg tgcctttgcg gtatctagat agtccctatt 300





agacccgatt tggccgcgga gccagcgaat gttcaactcg tgaatcgggt gtccatctaa 1980  
 gagaactgag ccggagacag gatcgaaaaa tcgggagacc agggctagga tgggtgctttt 2040  
 gccgctgcct gaactgccaa caatggccgt ggtcttccca gtttcaaagt caacagtcac 2100  
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 aatgaagggg ccaataagcg tgagggattg gctgcctatc agaactgagg tgaggactct 2340  
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 agcgtgtagg cgcacacat gattgccgat tgacccccgt tctgtatccc gcggtacggg 2520  
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<210> 10973  
 <211> 631  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 10973

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 acacgctcta ctttttgtac tgcggtaacc ccacaccgca agtaattgaa ttatttttag 180  
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 taaacattga acatcattca tttcactttc tgagaaaaaa aaaatcacag aaaaacagtt 420  
 tattgcattg ttgaggtcag atgaagatga caatatggag cttgtgttta atcttgtccc 480  
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<210> 10974  
 <211> 1413  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 10974

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 gggaaatatac attgggtata tttttgggta tatcaatcta ccaaagttat tcccatacct 180  
 ggggaacacg cgatttcaga ttctttgtgc tttggcatca atatccctcg ctgtgacgct 240  
 tttgatcagc tgctcgtaca ttcaggaacg tgatccccgc cttgatgggc ccccgccatc 300  
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 gcctcaagcc gccaaaggtct gcgaagtgc gattgctgcg tggatagcgt ggtttccatt 420  
 tctcttttac gcaacaacct acattgggtca actctacgtc aaccaatct tcgaaaaaaaa 480  
 tccgggcctt tcggactctg atatcgacaa agcgtgggaa gatgcgacaa ggggtggggac 540  
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 cgttgtcccg acatacaaac ctgtcctttc tagtgactcc agcgaagtgg acattcgaca 660  
 agaagcagag ccgtgtctga gagtcgagag gcaatcgagc tcggatatcg aagtagggct 720  
 tgtcgcggaa ctccaccag aagtcttgcg cgacaaggca cggggctcag cgaaagcaa 780  
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 gacggtagta gttggcctaa tcggtatacc ctgggctttg tcactatggg caccgtttgc 960  
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 tcataatgta gccgtgtctg cgccacaggt tctatcgagc ttgatatgca gtgctatatt 1260  
 tagggcatct cagaaaccac ggggggagcc gtatgatgaa agtgtgggat gggctcctgcg 1320  
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gccgaggaag aggtatatat cttaaagctat ttg 1413

<210> 10975  
 <211> 603  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 10975

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 tttgcagaaa atcaatgaac actgaggaaa taacctaacg atatagcata tacaaagaat 180  
 tttgagttaa tacaacacaca gtaagactta catgtgatcc ttcactctta tgggagttga 240  
 agtacgcaag tcgtatatga atacctgcag atacccaaca gcacaatcaa cacaacatat 300  
 ctatataatc aaattgacct accaatgttt taaacctttc agataaaaaa atgaatatag 360  
 catcaaacct ttcccgcgct actcccgaca gctacttgaa gaccttcact gtcatcaaac 420  
 tctatagcag taacctccta ttagccaatt taaagcacia gatcatcaga aatcaatgca 480  
 attttcacca atcacatgac gtctaagcta agaaagtctg tttatttgga acacaagtta 540  
 gaaaaaatta ccgcagcagc atcgaccacc atgtgtgacc gcgttaattc tagcagcaga 600  
 tga 603

<210> 10976  
 <211> 487  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 10976

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 aaagaggaca agcgccacga tggcaacagc aaggaaaggg aagctgatgt agaagagccg 300  
 agcggggcca agagaattac cggcgtgaat atgcaagata aacctgacgg tagaagagaa 360  
 caccgaagcg acaccgagac tgtacgggag aaatagaaac ggcccaggga cactgggcaa 420

agttcacatg gggcacaaga taccaaagga ccggccctgg gatgtgaaag gaacaagaac 480  
 agtgcga 487

<210> 10977  
 <211> 1462  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 10977

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 atagaactga acgatagcag cttcggaatg atcacgtcca aggggcactg cccgctgtat 180  
 tcccgtcga ggatcttgcg gttatcctcg cagaccttga acaacgccga catggcagct 240  
 tcccgagtgg tcgtactggc atctccggcc gggttctcaa caagcgtcag caactcgtgg 300  
 aggacctctg gccacgcaa tagccccgcc tttgcatca actctgttat cacgatacca 360  
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 tgtaccagca tctgtcatgg tcggaaatgc gctcgtgtca gttctctctc tccaagaaaa 660  
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acaagcaaga aagttcagcg tcagaatatt accacacgat tacgggaaat acaataaggc 1320  
 agtcagtctg atagagcaac cattctggca ttttagaata ttggaagaga atctccgtct 1380  
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 ttgtgttcga attgtggaca at 1462

<210> 10978  
 <211> 468  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 10978  
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 gcgcactggc tcagtggatg ccacgcaaca actctgaagg caatgccagt accacaactg 180  
 atggtgcatg cggcacatgc gcttatgaag agatgtcgtg ctcaggaact gggccagact 240  
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 gtccgtacct atgccagtcc caagattgtt taaaatctg atttgaccac caatgaggcg 360  
 aacactgctg aaatccttgt aagcgaaagg acaatgccgc aatatgccct agtggttgtg 420  
 cgcgttgga cagcataaca ctatacagga acgtgaccgc caacagaa 468

<210> 10979  
 <211> 586  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 10979  
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 ttcttgtgat tctgtttgtg gtgttcggt aggtggttgc ggactggtaa cgcactcatt 180  
 ttcaatcgtc tttgtactat acctagtttg cggcagcctt ggatattggg ggttttagtca 240  
 ctggagtttg gttgttttca acattgcaat aatgaactgg ctaacatgga atcttatggg 300  
 ttcgatctac atatgtctga aggccattat cctttagttg ccaatgggcg gcgccttagg 360  
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taaactctaa aagtattggt gtgaatggct ttgagctcaa catcaatatc caaccatcat 480  
gatgaggttt atttatttca ttagatgcc a cctgagactt tgatcgtaag gcttaaaaga 540  
tggcaggaca ccaaatcatc ttgacggaag gataatcgaa gcgaaa 586

<210> 10980  
<211> 565  
<212> DNA  
<213> Aspergillus nidulans

<400> 10980

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acttaaatta acttttaacg cctaaaatca aaacacttgc tgttactctg gtctttcagg 480  
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<210> 10981  
<211> 1253  
<212> DNA  
<213> Aspergillus nidulans

<400> 10981

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agaccgccgt tattgaggga gacttgcctt tgagaccgga cggcgaagac acagagatgg 300  
gcgggacggc gcagaatgca gccgtcccta ccgttcgcct catctcgctt cccaagttcc 360



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<210> 10983  
 <211> 366  
 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 10983

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 cgaacctaca ctagggatga ctgcctctg tatacgggaa tgggagacaa ggatggccta 180



cgtgctgggc acccagcagc agccaggaga aggacgaaca ggaaggacat tatggctgtg 240  
 ccgactgggg aatagaatga cagacactga atagagatgc ccaaccggag agttaaatg 300  
 caacagtatc gacgaccacg cagccttatg caaaaaaccg aggtcagggg ccgattgaag 360  
 aagccg 366

<210> 10984  
 <211> 1688  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 10984

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 aacgaatgga tgacacgtgg gacagttata tatattttgc acaacattgg taaaaacat 1620  
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<210> 10985  
 <211> 1200  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 10985

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 gcctagaagc agaaggcgac gctcaaaacg cgggccaaga aatgcaggcg cggcatatac 240  
 ggtggagtga acatgtggta gacaacgagg gaatggggaa aaagagctca aaaggtacat 300  
 tcaatgcaa taccaggcta caagactttt tcggtgagac aacctgagct aactgatcgc 360  
 cttcaattgc tcgcacgcaa acgttagttt gctgtattta ccataagact aggcccgtcg 420  
 gggaaagtag ttcggaatca gaatcatcgg actccgaatc tgattctgat agcgatcgcg 480  
 aaaccaagaa ctgcaatgac agaagaagct gcggacactc aaaccatcgc catgatactg 540  
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 tccagcgcag gaagcctagt cccaatgcat acgaaaagat gccgaaatat acaaaaggct 660  
 gattgtgata taatcgtcgg gcttaaactt ggattaaccg tcatacaacg ttgacatata 720  
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tccctcggca tttgcaagca tggaccgtga aatggagaaa atgagacgga cactcgggtcc 840  
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 tgctactata acatcatact tcttcgcctg gaagcgactc gctggccccg tgctatttcc 1140  
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<210> 10986  
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<400> 10987

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<400> 10988

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1. The first step is to identify the problem or question that needs to be addressed. This involves understanding the context and the specific requirements of the task.

2110

<210>	10998
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<400> 10998

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<400> 11003

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 tagtactaaa gaaatctct acgccccccc tttttttcta gggtattact ctaggagggg 1980  
 agggtatctg cagccacgcc aaagtctctt cccgcgggag gggaccttga gtttttttac 2040  
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 agaggacttg tttgcagggt agagtcttca ggcccgtatc tataagatta aaaaaggccc 2160  
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<210> 11009  
 <211> 2689  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 11009

gtgctattta cggaacaaca ggatttgaaa caggcaacaa gggtagcaa ttccagcgag 60



tatagtggcg cctagtaggt gttttctaca cgagagaact gcgccatcgc tgatatgctg 1740  
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cgagaacaag gcggaccgac gtcacccact cgtataactta cttgtgtgtg agaaacagga 1860  
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gaacacctta caattctatt tgcgacactg tatctattca tgatagtgtg ttcttttcaa 2040  
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gtaccgcatg cagcatctaa aaagctggtg tcttcgtcc acatgtatgt ctgcgctac 2640  
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<210> 11010  
<211> 663  
<212> DNA  
<213> Aspergillus nidulans  
<400> 11010

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tgtggacacc ggtttggcat ctaacatctt catcctagac aacaagtcac aaacatattt 180  
atgctgcac aaatgaagac cttgtgaggt tcttgttgcc tctataccaa gaaaatatac 240  
caaatccgtc gggtccttca acgagaatcg ccgagaaaga gcggtgatga aagccattac 300  
caacgcatca ctacttcccc tgacaataat gtcacaaaca tagaccaagc agtagacgat 360

ttggatgtcg ttgatgtaaa caaacactga tgtatcagcg agagaattgg tgaatcccaa 420  
cgagcaaaca aaattttctca actcttggtg ccaagcgcggt ggagcctggt tcaggccata 480  
aagcgccttc ttaaggcgac aaacgtggtg tggtcgatcg gggtcgataa aaccaggtgg 540  
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ttt 663

<210> 11011  
<211> 588  
<212> DNA  
<213> Aspergillus nidulans

<400> 11011

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tctctcaagg aaacgtgcaa gaatacattg aaaatacaga tagagaagat gaatatggga 180  
gccaaaacag atttaccaag ggaggaaaaa aagtcaaatc tgtatatgga taggtcatag 240  
gctcaccaag aaattgtggt aaacagaagc tctgggttcc caagagatta tttcaaccca 300  
acgctcgttc tttgaatcat cttcgccact tctacgggaa aaaagagaag gaaaagttaa 360  
cccgatcttg aagcacacta aattgaaatt caatattggc atgggatggt atcttacctc 420  
tgaagtgttt ttcggacaat agaagtgaga tcattggctt ttgaggatcc ggcattgttg 480  
ctgggcacga gagaattcaa aggcgagaag aacaaaatca cgaaagtgga catgatcaat 540  
acggcgaaga gagcgttgaa tgcgaggatt tcgagctgaa ggacgatg 588

<210> 11012  
<211> 1189  
<212> DNA  
<213> Aspergillus nidulans

<400> 11012

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caccagtcct tagtttagca caccttaagc gattaggtat aggatatgta cgcaccccat 180

ctttgctttc ggcgcccact tccttcccat ctccagtga acgtcgagca tctcgtctgg 240  
gtcggcaata gcatgcacaa taccatccct caatgcctcc tccccgctcc accgatgcgc 300  
ctcgaggagc atctttgcgg cgatgtcggg acgcagcttc aaccgcggta gcgagccaat 360  
cccgctcaaag tgcagcccaa gatctactgg gggcatagag aagaagccgc gcttggagtt 420  
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gatgataaat attttgaacg agaagcaaac ctttgttgcc agcagctgat ggtgtctgtc 1140  
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<210> 11013  
<211> 140  
<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
<400> 11013

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gcgccgggtt gggtttctnt tgnncngcg ccggggcggg ggcccccgcc cacnggggnn 120  
ggggcngccg cgcgggccc 140

<210> 11014  
<211> 479  
<212> DNA

<213> Aspergillus nidulans

<223> unsure at all n locations

<400> 11014

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aaaggcgaac caggaaaana angaccagag aaannccann nccgagagag agccacaagg 120  
aagcgggnga cccaacagg anagaccaac cnccaggcc agcaacggag aaccaagaag 180  
gcacaaacaa ccgcaaggaa gagccccagc acaacaaaaa agaggggggg caaaaacggg 240  
aaaaaccaag ggggagaaaa agngaaacaa gggacaacaa acggccgngc aaggggggga 300  
aggcaaaaaa ggaaaaaaag ggggaaaaag gaagaagcng aaaaggacc acaaggaaac 360  
ccagaccaa aggccgaaac ggaagggcaa ccaacaagg gagagacnga caagggacc 420  
gaaaaacca aaaaaggccg gaccaccgga aggcggaaca gaggaagacg cgacaaaaa 479

<210> 11015

<211> 544

<212> DNA

<213> Aspergillus nidulans

<400> 11015

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cctaaaccga gattatagct aatcagaatc ttatatataa caccatagcc taaaattaaa 180  
tacctgatta ttagtgaatg cacctcgaat ttgaggagga tcatcgtgat caagcaaact 240  
cgctgcatta ccacccggta cgatcctgta accagccggg tttcctaccc gagattttcg 300  
gttcgggttc acaatgtgga attcatatgg gtcataaggg ctcaacttga tctgagcatc 360  
tttctcagtc ttggctatat atttcttgac cttcaagtaa ctcttccttg gcgattttcc 420  
tgttggaact ctctgcttct ctagatgaac cttaacaaa gaattattca tcggtccatc 480  
aatatccatg tctagatgaa acgttatgaa atgatcatga acgactccaa tcacattctc 540  
agag 544

<210> 11016

<211> 1054

<212> DNA

<213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 11016

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 aataaatttt ggggatgcgg tcgaagggat cggagctagc ccgaattggg acaaagtggg 120  
 gtgacgtcag gtacaatagg ccagcaaccg caaaagaagg cttggacact attcttaaat 180  
 ggacatacaa cttgtggttag gtagatgcgt atatttattt tacacactta tgctagggcg 240  
 acttggttgc tgtattgaga ggtggagacg gtttcgcgga caaatcatgc cacgcgcagt 300  
 gtcgttcacc ggagaccagc cagacgtctg ccctggactt ctccaagcgc acggctaccg 360  
 ctaataaatg caacggttcc agcggcagca acggccggga ggatctggaa caggggtccag 420  
 gaagtgtagt acaggaagaa gatgccttca atggcgagga gcgagccaag gaacacggcg 480  
 tgagggatag gagccgactt caatgctacg gggagatggt tgatattggc accgaggtag 540  
 agccactaaa agacaagtca gccacgccgc ggtggttgca caaggagatg tatagagggt 600  
 atttaccacg ccgccgagaa caggggaagat ggccaacact atcgcaatga ataaaagcgt 660  
 aacggcaacg ggcgggctct gaggatcgct cttgaagatg tgggtgatct cagggagctg 720  
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 ctgaaacgcg ggcttggtgt atgcagcgga gcttccgaac gatccgatca agattctcgc 840  
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 gtcagctagt tgtttccgac tggagctaca tntccgtac caattcgact cgagatttgc 960  
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 tcaaaaagac ctggggagcg ctttcgctta cttt 1054

<210> 11017  
 <211> 532  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 11017  
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 cgacctctaa cagtagtagc aagaaagaag agtagaagct tactcgtgac atgaccacca 180

tcgatggttg caaatggttt gacgatttga tggtggaagt aagtacttgg gcttcccggg 240  
 ttcattgagga ccaaggcttt taccggtgaa ggagctttat aaaataaaca aaagcctcgt 300  
 cgtttatttc tttttgtctt gttttttttt ggcttcgcga aagaaaccaa aaaaagtgat 360  
 ggtaagatca taggagatga tattataaga acgtgtgata cattaattta ggggacgggt 420  
 tgctttgctt aatgcctaca aagatgggtg acttttcaga tcgtacaaaa ggcactacta 480  
 ttgataaatt atattatata aaccaagcaa atctcttatg aagagatata ta 532

<210> 11018  
 <211> 290  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 11018

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 cgncaaaacg gggcaagcca acagnnaaca cccacagggg gaacacgaag cagnngcgagg 120  
 gggcgcgnc aagaagaccg canngngcan nngcgcnnaa ggcnnancca acgaagcccc 180  
 ncncggaanc cncgacaaag agaaaaanac aagccaaaca ggccgcgaga aaagacgccc 240  
 ccaaggaaaag gcccgaaccg gggcgcgggg gnccaggaac ccacgcccac 290

<210> 11019  
 <211> 1217  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 11019

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 ggacagaaaag ctaaagggtcc ctgcatgaag ctactcgctg tagtcagcct ataagtcaac 180  
 tcgttactgg atcctgtagg cgcctagcag ttagtacaga cagaacaact gaactggatg 240  
 atatatatag gccgagctca actcagcagc gcaaatggga gattattcaa gggttaagat 300  
 tgtattgtga atacaagact aacactgaga gatgcaaaca aaagctgagg taaaggacat 360  
 catggactta aaaatcccat atctatccaa cttttaatga acagcctcgc tgtctctgca 420  
 ctgaccggtc ctagatttgc gagagttttc gaatgctcgc gcgatttctt cgtttccagc 480



aaaaggcccc cacaagacat gcggatgaaa ttgttatcaa ggaaatcgac cagcagaatc 540  
gcaggattgt ctccctctgc accctcaact tggcggggat agtccttgac ccgctgaatc 600  
catttctcga atggaatgat gtctgaccgg ggtatatgca gcgcatctgc aagtaccacg 660  
ttcatctcct tccagggtcg gcggactggg ttatcaatgt gatagatgga atacgggggtt 720  
ttatcttccg gaagcaggag gagatccacg agcgtgctgg ccacgacatc caccgggggtc 780  
catgacagca caccatcaaa gtcaggtagg gcatttagag tctgagacga tttcactaga 840  
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gatgagatga attggaagga gaccttctcc ataggtcgtt gaaggagat cccgtaagcg 1140  
agatccagca gattccgcat gatctggagc tgagggttcga acctcctaag gggcaatttg 1200  
gcattcatga gccaggc 1217

<210> 11020  
<211> 294  
<212> DNA  
<213> Aspergillus nidulans  
<223> unsure at all n locations  
<400> 11020

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gagacaggag caaaggcang gagngagaaa aacagancag aagagaccng cgaaancggc 180  
agaccgggca nccaacgcca agcgaggcag cgccganncg cagaggccgc aagaggaaaa 240  
acnccncacg ccggaccnca agacgaaagn ggngaccacg cgccgcagcn ggca 294

<210> 11021  
<211> 418  
<212> DNA  
<213> Aspergillus nidulans  
<400> 11021

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 aagaaaagga aaaagtaaaa tagggaagat attggagtta gggagaaaga aagtaaagag 120  
 gggataaaga atgaaaaaga tgaattatga gttaataaga ggaggaagaa aaaaataaag 180  
 ggaaaatgaa agagttagag aatgaataga aggaaagggg aaaggaggag atgatgtaag 240  
 aagaaagtta aatttgtatg agtgtggtag aaaagaaata aataggaaaa taagataatg 300  
 gtgaagagtt gaagtgaaaa ggggtggagaa attagaaaat agaaagaaag gaaggaaaag 360  
 gatgaaatth aaggaagaaa atatgggtag aagagagaat gtataaagag gaaagatt 418

<210> 11022  
 <211> 598  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 11022

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 ttgctttcta atttggttga tcgtgcagtg aggatctgcg tttcgtcgtt tgcattctgtt 120  
 gcaaagaaaag agtcataacc ttcagtgtaa atttctgatt gaggcgagat ttgcttcttt 180  
 tgaaagctaa ttttcggggc attccgtgga taggttacac gccacgcagt tcgtcggaaat 240  
 cttcctggaa attgatttca aagtcgactg gttttgtaac ttttgaccag tgtttcgtct 300  
 tgctgtatct gctggagaga agcgcagtgc actttcggca catagcttcg attggcacia 360  
 tattggacta tatggagagc tgtctgtctg ggcaatctgt ggatatgttt cctgtctctt 420  
 ggttcgcggg tcgtacaatg tcggacaatt gctcacgaag ttggtcgttt gcaagtgggtg 480  
 tcagtctgaa ttgtcttggg aaaacgatca taactctcaa accataacct caaatcgtga 540  
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<210> 11023  
 <211> 508  
 <212> DNA  
 <213> *Aspergillus nidulans*

<223> unsure at all n locations  
 <400> 11023

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aagggactgc agcgtgctaa agacctggca ggcccaccac aacggcctga ccagcgaacg 180  
 cacaaattca cagcgtccgc aagaggtgga ccagcgcacc gatgggagcc gcgcataagc 240  
 taatggtgtc gagtgaaacc gaggctagaa ccagtgcac cctcgcacta acccacagag 300  
 gataccgggc aagagaaaacg caggagaggt aagccaggca tagacgagga cccaccaca 360  
 cggggtagta acctcgctct agtcaacaaa gcaaggcgct ggacgtggac acaagggaca 420  
 cttgaaacca aaagaagcac gattgatagc ccaaattggca actaaccagg gtagatgagc 480  
 ccacagactg acggaaccct acccgga 508

<210> 11024  
 <211> 461  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 11024  
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 agcggcagac tcgacataaa aattcttctc aaaaggagtc aaaccatcta aatctagctt 120  
 ccttggagat tcattgccat cgttatcctt tttgctagat gtatgactac ctgagcttcc 180  
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 aaactcttct tctccaacac acccatagag aatttgataa cgcactattc cacgaatttg 300  
 atcaaaattc agtggatttt cttcatattc gttcaaatac atagccaaaa acaacgagac 360  
 tatagttcac atggagtcta tacgaaaggc aacacactta ctttcgacgg tcacggtacg 420  
 aggtggaatc gccggtccgg ctatcgtagc gactcatgat g 461

<210> 11025  
 <211> 2847  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 11025  
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 gaggtagatt gccatcccggt ggctcgcgag gtcctgatca gaatatgcat gggccgcgtt 180  
 gtcgaataaa gtcagagtat tgctctctgc atgccagcga gcatcatgct gccaggagaa 240

actagtcgcc tcaccatcgg acaggtcctg aaactcgttc gttcgcccgc cgagagtcca 300  
gagaatctcg cctgtatgcc gggagataca tatcaccgcg tgcaggtgcc ttgcagaaat 360  
gatatagttc ccctcgccat ctttgtccac gctgttaata tgaaagaaat caaatgcaga 420  
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ttaataacag agccatgtct aaacaatgcg cgccacggta ccatatacca cgaccatac 780  
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acgcaacagc gtcgggtgtc ccaagtcgaa ggagacatcg ggcatggcga caccttgtct 1260  
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tctcattcgt tcttcacaaa acgttctcca gaatagcctc cagaggacgg ggcggatctc 1500  
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<213> Aspergillus nidulans  
<400> 11026

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 <211> 1530  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 11028

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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 11029

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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 11030

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 <212> DNA  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 11032

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 <213> Aspergillus nidulans

<400> 11033

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<212> DNA  
<213> Aspergillus nidulans  
<400> 11034

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626

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<212> DNA  
<213> *Aspergillus nidulans*

<400> 11035

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<210> 11036  
 <211> 507  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 11036

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cgtttaactc tgcttcctag cactctactg ctcacgcaat ctttcttcac ctgaccacca 180  
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 actacatata cactagactg acatagtcac gacatcaaga ataccgtcat cgatgatgcg 360  
 taaacctaga gttgcgagta tacgctatgt ctacaacaag caggatagca taggatgatt 420  
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 <211> 612  
 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 11037

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 atctcatggt tacaatgtg aagaactccc aatttgcagc tacaacacca agaatccagg 240  
 aaagctttat acagcctgaa gaagcatgct agaagaccaa acaaattgta tggatttggt 300  
 attattaatg ttctcaactt caaatacagc aggaatgttg aaaaagacag cagagaatag 360  
 aaagtcatcc atcagagaga catgaagctg cagcgtcttg ctgttttgca cgcacggaga 420  
 agaactcaga gataacttca aggggcattc cttttgtctc tggtagcttg aggtacacaa 480  
 aaaccacgc gacagancag acgattgcat aaatgccaaa gactcctgcg atgccaatgg 540  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 11038

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 gaggtgaaga agttagatg ttgtgtcatt ttggaaagac aatgcaaccc actttaaaga 240  
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 agcgtttcgc atcaaaaagtc 320

<210> 11039  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 11039

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<210> 11040  
 <211> 608  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 11040

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 acctgctgat gctgctgctg agatgtttcc cctgcacccc agtcaacgct ccagcatttt 180  
 cctgcgagat tcaatccgac atcaagttca actaattcac gtacgttgaa ttgcggctca 240  
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 gacgtgctca cgtccactcg tatctcgtac gctgagcttc ttgcagatgc aggcgagaag 420  
 gctcgtttaa tcggccagat tacaggcctc tcgtctgaat cgatcattct gttgcatttt 480



gacactcagc gagaggtcat cgagtgggtc tgggctgcga cacttgctgg ctatctgcca 540  
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cacgcaca 608

<210> 11041  
<211> 445  
<212> DNA  
<213> Aspergillus nidulans  
  
<223> unsure at all n locations  
<400> 11041

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cgaaccgact gatgttgaaa aatcagcgga tgagttgtgg ttaggggtga aatgccactc 360  
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taggggtaaa gcactgtttc ggtgc 445

<210> 11042  
<211> 1709  
<212> DNA  
<213> Aspergillus nidulans  
  
<400> 11042

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gaccaacctt gtcctgtat attccttttg agggcttcga tggaagagta accagtcaag 480  
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<210> 11043  
 <211> 594  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 11043

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 aataatccat atttatagca ataaaatact atcggttcctt caccaagtaa taagtaagta 240  
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<210> 11044  
 <211> 3396  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 11044

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<211> 657  
<212> DNA  
<213> Aspergillus nidulans  
<223> unsure at all n locations  
<400> 11045

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<210> 11046  
 <211> 626  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 11046

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 aattaaataa caataatctt tatatattaa taataaattc atataccact ccaattatta 360  
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<210> 11047  
 <211> 2529  
 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 11047

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 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 11048

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 <213> *Aspergillus nidulans*

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<210> 11051  
 <211> 993  
 <212> DNA  
 <213> *Aspergillus nidulans*

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<210> 11052  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 11052

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 <211> 608  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 11053

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atatggccag acaggatcag ggaaaactta tacaatggta tgtattcact gttgtttctg 180

agagtaagat ttcataggaa taacgctgat gcgcttttac ctctgttccc tttctttcag 240

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gtggagatat ataatgaaca agtgctcgat ctgctgtctg atgacaattc tcaaaagaaa 420

tatccctttg ttttaaattc tggttttgtc ttttgtttt ctctattgcta gtgttattgt 480

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<210> 11054

<211> 509

<212> DNA

<213> Aspergillus nidulans

<400> 11054

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ggacaaaact ccggcgagca aggtcaagat gccgatgctg tcggtctgca agtccttta 420

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gagtgaggaa acaaagcaac aaaagagag 509

<210> 11055

<211> 501

<212> DNA

<213> Aspergillus nidulans

<400> 11055

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acagacttgt ggttgtggcg actaatgtag cggacacttc tctgactatt cctggtatac 420  
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<210> 11056

<211> 569

<212> DNA

<213> Aspergillus nidulans

<400> 11056

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<210> 11057

<211> 969

<212> DNA





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ccaaggttaag ggtggcaagc atgccagaac ttgagaagag aacggcgagt agtcaacatc 420  
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<212> DNA  
<213> Aspergillus nidulans

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<210> 11060  
<211> 496  
<212> DNA  
<213> Aspergillus nidulans

<400> 11060

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cagccctaatt ctatagagat ctttctctta tactcactac aactttgatc tttcgctctc 180

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acatgccttg ttgaatggaa tggcgtctga aagaatcagc tcaggcgcg tagaacctgt 360

aaatgatctg atttccagtg catctgcgca taatatatag agaaatacag gagcttggag 420

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<210> 11061

<211> 127

<212> DNA

<213> Aspergillus nidulans

<223> unsure at all n locations

<400> 11061

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tcttagt 127

<210> 11062

<211> 159

<212> DNA

<213> Aspergillus nidulans

<223> unsure at all n locations

<400> 11062

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<210> 11063

<211> 4139

<212> DNA

<213> Aspergillus nidulans

<400> 11063

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<212> DNA  
<213> Aspergillus nidulans

<400> 11064

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<213> Aspergillus nidulans  
<400> 11065

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<211> 1285  
<212> DNA  
<213> Aspergillus nidulans

<400> 11066

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<212> DNA  
<213> Aspergillus nidulans

<400> 11067

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<210> 11068  
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<212> DNA  
<213> Aspergillus nidulans

<400> 11068

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<210> 11069  
<211> 275  
<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
<400> 11069

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<212> DNA  
<213> *Aspergillus nidulans*

<400> 11070

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 <213> Aspergillus nidulans

<400> 11071

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 <213> Aspergillus nidulans

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<210> 11073  
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 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 11073

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<210> 11074  
 <211> 570  
 <212> DNA  
 <213> Aspergillus nidulans

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<400> 11075

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<400> 11076

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 <213> Aspergillus nidulans

<400> 11077

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 <213> Aspergillus nidulans

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 <213> Aspergillus nidulans

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<211> 121

<212> DNA

<213> Aspergillus nidulans

<223> unsure at all n locations

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<212> DNA

<213> Aspergillus nidulans

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 <213> Aspergillus nidulans  
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<212> DNA  
<213> Aspergillus nidulans

<400> 11086

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<223> unsure at all n locations  
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 <223> unsure at all n locations  
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 <213> Aspergillus nidulans

<400> 11091

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 <213> Aspergillus nidulans

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 11094

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<213> Aspergillus nidulans

<400> 11095

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<212> DNA  
<213> Aspergillus nidulans

<400> 11096

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<212> DNA  
<213> Aspergillus nidulans  
<223> unsure at all n locations  
<400> 11097

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<212> DNA  
<213> Aspergillus nidulans  
<400> 11098

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 <213> Aspergillus nidulans

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<210> 11101  
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 <213> *Aspergillus nidulans*

<223> unsure at all n locations  
 <400> 11101

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<211> 1065  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 11102

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<213> *Aspergillus nidulans*

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 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 11106

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 <213> Aspergillus nidulans

<223> unsure at all n locations  
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 <213> Aspergillus nidulans

<400> 11109

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<213> Aspergillus nidulans

<223> unsure at all n locations

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<212> DNA  
<213> Aspergillus nidulans

<400> 11113

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 <213> Aspergillus nidulans  
 <400> 11114

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752

<210> 11115

<211> 1422

<212> DNA

<213> *Aspergillus nidulans*

<400> 11115

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<212> DNA  
<213> *Aspergillus nidulans*  
<400> 11116

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<210> 11117  
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<212> DNA  
<213> Aspergillus nidulans

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aa 122

<210> 11118  
<211> 2229  
<212> DNA  
<213> Aspergillus nidulans

<400> 11118  
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 <212> DNA  
 <213> *Aspergillus nidulans*

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<210> 11120  
 <211> 452  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 11120

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<210> 11121  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 11121

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<211> 2190  
<212> DNA  
<213> Aspergillus nidulans

<400> 11122

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<210> 11123  
 <211> 439  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 11123

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 11124

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<212> DNA  
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<212> DNA  
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<210> 11129  
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<212> DNA  
<213> Aspergillus nidulans

<400> 11129

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 <213> Aspergillus nidulans  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 11131

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 <212> DNA  
 <213> Aspergillus nidulans

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 11135

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<212> DNA  
<213> Aspergillus nidulans

<400> 11136

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<210> 11137  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 11137

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<212> DNA  
<213> Aspergillus nidulans

<400> 11142

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<212> DNA  
<213> Aspergillus nidulans

<400> 11143

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<212> DNA  
<213> *Aspergillus nidulans*  
<223> unsure at all n locations  
<400> 11144

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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 11145

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 <213> Aspergillus nidulans

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 <213> Aspergillus nidulans

<400> 11149

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 <213> Aspergillus nidulans

<400> 11151

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 <213> Aspergillus nidulans

<400> 11152

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 <400> 11167

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 cccatggtat gcgaactgtc cactcctcca gctcgatgag gagctctccg ttggtattga 300  
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<210> 11168  
 <211> 494  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 11168

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tggagatcgt gtgccgtgac tgcgaactgt gttaatctgt tcgactatgc ctgaatgctt 420  
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<212> DNA  
<213> Aspergillus nidulans  
  
<223> unsure at all n locations  
<400> 11169

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gaacga 126

<210> 11170  
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<212> DNA  
<213> Aspergillus nidulans  
  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 11172

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 <212> DNA  
 <213> Aspergillus nidulans

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 <212> DNA  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 11175

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<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
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<400> 11182

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<210> 11183  
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<212> DNA  
<213> Aspergillus nidulans

<400> 11183

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 <211> 118  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 11184

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<400> 11185

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<213> Aspergillus nidulans

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<400> 11187

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<400> 11188

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<400> 11189

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 ctctttgttc tggcgcagta ccgttgaccg ctgcaatcgt gcatggactc tgggttggtg 180  
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 <213> Aspergillus nidulans

<400> 11192

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tcgtccgggc gccagagaca ctactgccgg cgaatactcc ggaacagact gacgacgcat 240

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gctcgaattt tggaacacgg ctcggtgggg cacaaaagga gtgcggagta ataattacgc 360

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<210> 11193

<211> 125

<212> DNA

<213> Aspergillus nidulans

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<210> 11195

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<213> Aspergillus nidulans

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 <213> Aspergillus nidulans

<400> 11197

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<400> 11229

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<213> Aspergillus nidulans

<400> 11232

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 <400> 11234

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<400> 11235

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<210> 11252

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<400> 11252

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 <213> Aspergillus nidulans

<223> unsure at all n locations  
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 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
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 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
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 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 11262

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 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 11263

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 <213> Aspergillus nidulans

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<210> 11265  
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 <212> DNA  
 <213> Aspergillus nidulans

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 <213> Aspergillus nidulans

<223> unsure at all n locations  
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<210> 11267  
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<213> Aspergillus nidulans

<400> 11267

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<213> Aspergillus nidulans  
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<213> Aspergillus nidulans  
  
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<213> Aspergillus nidulans  
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 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
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2174

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<211> 417  
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<213> Aspergillus nidulans

<223> unsure at all n locations  
<400> 11288

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<212> DNA  
<213> Aspergillus nidulans

<400> 11289

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<211> 508  
<212> DNA

<213> Aspergillus nidulans

<223> unsure at all n locations

<400> 11290

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<210> 11291

<211> 701

<212> DNA

<213> Aspergillus nidulans

<223> unsure at all n locations

<400> 11291

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<211> 161  
<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
<400> 11292

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<210> 11293  
<211> 2268  
<212> DNA  
<213> Aspergillus nidulans  
<400> 11293

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<213> Aspergillus nidulans  
<400> 11294

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 11295

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<400> 11298

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<400> 11299

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<213> Aspergillus nidulans

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<400> 11325

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<212> DNA  
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<400> 11326

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<213> Aspergillus nidulans

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<210> 11337  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 11338

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 <212> DNA  
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 gtggattgat tgggtagcg gacttcaata gcattgggat cagtgaagtt aacgagcttg 960  
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 <211> 414  
 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 11346

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cacatatcta aaccctatgc tttgccggcc caattgatcg ctatggccga tgagccaatc 300  
acacaaaggc aggccagggtt gcaatatcta tacgctcata ccctatgata aaaaacaggc 360  
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<210> 11348  
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<400> 11348

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<210> 11349  
 <211> 547  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 11349

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 acatcactct gccagattgt catggacgac tggcaaaaac atgcttactg cactgaacat 180  
 gcgctctcga ctgtcctatc atcgtaatgt cgaacgactg actcacgcaa gcttctctac 240  
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 tgactgggat cctgcacccc caactgcgcc tctgttatcc cactcgtatt cattagattg 360  
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 cacactgacg gcgtactgag atcacgtgct tctaagaccc ctgaatacca ggactgaata 480  
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 tacagcg 547

<210> 11350  
 <211> 115  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 11350

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<210> 11351  
 <211> 1362  
 <212> DNA

<213> Aspergillus nidulans

<400> 11351

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gatcgcatca tcctttctcca atttccacag actgacttgg cgatgagaag accatgtgac 300  
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<210> 11352

<211> 115

<212> DNA



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<211> 373  
<212> DNA  
<213> Aspergillus nidulans

<400> 11354

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tattcctatg ttcccttcta gccgatcttt aacgagctgg cctttcaggg cacagctgga 180  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 11355

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<211> 1344  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 11356

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 <213> Aspergillus nidulans

<400> 11357

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 11358

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 11359

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 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
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<210> 11361  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 11361

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<210> 11362  
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 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
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<400> 11372

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<400> 11373

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<213> Aspergillus nidulans

<223> unsure at all n locations

<400> 11375

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<400> 11376

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<400> 11378

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<400> 11400

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 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 11402

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 <213> *Aspergillus nidulans*

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<223> unsure at all n locations  
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<400> 11409

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<210> 11410  
<211> 1738  
<212> DNA  
<213> Aspergillus nidulans

<400> 11410

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 11412

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 <212> DNA  
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 <213> Aspergillus nidulans  
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 <213> Aspergillus nidulans  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 11416

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 <213> *Aspergillus nidulans*

<400> 11417

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 <213> *Aspergillus nidulans*

<400> 11418

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<212> DNA  
<213> Aspergillus nidulans

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<212> DNA  
<213> Aspergillus nidulans

<400> 11420

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<400> 11421

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<212> DNA  
<213> Aspergillus nidulans

<400> 11424

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<400> 11425

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<210> 11426  
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 <212> DNA  
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<400> 11426

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 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
 <400> 11427

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 <400> 11428

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 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations

<400> 11429

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gaatgatctg ggtgaagacc acgttatcca gtcagcaaac tataaacagg ttagtgccac 180

taagtcaatg agcgcttctg gctacgtagt tctcacacta gttatcttta agcggccagt 240

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<210> 11430

<211> 185

<212> DNA

<213> Aspergillus nidulans

<223> unsure at all n locations

<400> 11430

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<210> 11431

<211> 492

<212> DNA

<213> Aspergillus nidulans

<400> 11431

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492

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<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
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<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
<400> 11433

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<210> 11434  
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<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
<400> 11434

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 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 11435

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 <212> DNA  
 <213> Aspergillus nidulans  
 <223> unsure at all n locations  
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<210> 11437  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 11437

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 <213> Aspergillus nidulans

<400> 11438

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 11439

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<211> 2793  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 11440

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 <213> *Aspergillus nidulans*

<400> 11441

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<213> Aspergillus nidulans

<400> 11442

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<400> 11443

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<400> 11445

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<400> 11446

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2182

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<400> 11447

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